

10TH STREET SITE

NEBRASKA

EPA ID# NED981713837

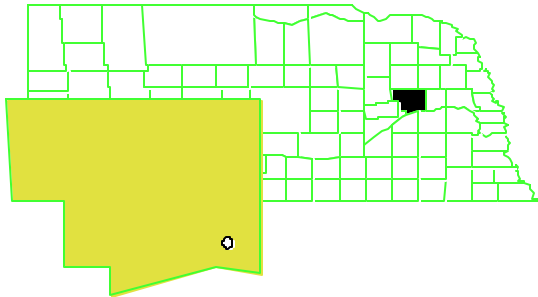
EPA Region 7

City: Columbus

County: Platte County

Other Names: Columbus Public Water Supply

08/23/2002



SITE DESCRIPTION

The 10th Street Site consists of contaminated municipal wells located in the City of Columbus. Sampling by EPA and the state revealed the presence of volatile organic compounds (VOCs) in the municipal drinking water supply wells. Sampling of the ground water in areas surrounding the municipal well fields show VOCs in the aquifer underlying commercial and residential areas of the city as a result of dry cleaner activities. The city's water distribution system provides drinking water to approximately 19,000 people. The water supply is tested by the state and consistently meets the Safe Drinking Water Act (SDWA) limits for public water supplies.

Site Responsibility:

This site is being addressed through Federal actions.

NPL LISTING HISTORY

Proposed Date: 10/26/1989

Final Date: 08/30/1990

Deleted Date:

THREATS AND CONTAMINANTS



The ground water serving municipal wells is contaminated with the VOCs tetrachloroethylene (PCE) and trichloroethylene (TCE). PCE and TCE are found in the soils at some locations and volatilize to form vapors which can be trapped in soils and underground structures. People could be exposed to these contaminants through the use of water from contaminated wells and breathing air in confined spaces. At this time, the use of water from private wells should be discouraged. Air sampling that has been conducted recently does not indicate an exposure problem.

CLEANUP APPROACH

Response Action Status

Entire Site: The EPA completed a Record of Decision (ROD) document in 1995 that selected institutional controls and ground water monitoring with a contingency as the remedy for the site. The city is in the process of preparing an ordinance with the goal of eliminating the use of private wells in the area of groundwater contamination. The ground water monitoring conducted pursuant to the 1995 ROD determined that additional investigation was required to delineate an additional source of contamination. Current efforts are directed toward addressing the groundwater contamination and protecting the city's south wellfield. In order to address this contamination, EPA implemented a removal action in January 2000 and finalized an interim action ROD in September 2001.

Site Facts:

ENVIRONMENTAL PROGRESS



After adding this site to the NPL, the EPA performed preliminary investigations and determined that no immediate actions were required at the 10th Street Site while cleanup remedial investigation was being performed.

The EPA completed its fourth round of ground water sampling required by the 1995 ROD in April 1998 which indicated an additional source of contamination located about 1/2 mile upgradient from the initial site. The results of this sampling effort have been provided to the Nebraska Department of Health, the Nebraska Department of Environmental Quality and the city of Columbus, Nebraska.

The EPA is conducting a removal action at the primary contamination source area. The removal action consists of an air sparging/soil vapor extraction system which was installed in October 2000 to address soil and ground water contamination. In addition, the city has taken one city supply well out of service and continues to blend water from the other south wellfield wells to assure that the finished water provided to the public is below the MCLs. The EPA is designing an interim remedial action pursuant to the September 2001 ROD to intercept the ground water contamination. This action is anticipated to be initiated in FY2002, have a present worth cost of less than \$5.0 Million, and a construction cost of approximately \$2.0 Million. A final remedial action is anticipated in five years.

SITE REPOSITORY



Columbus Public Library
2504 Fourteenth Street
Columbus, NE

Superfund Records Center
901 N. 5th St.
Kansas City, KS 66101
Mail Stop SUPR
(913)551-4038

REGIONAL CONTACTS

SITE MANAGER: Nancy Swyers
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COMMUNITY INVOLVEMENT COORDINATOR: Beckie Himes
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STATE CONTACT: Brian Zurbuchen
PHONE NUMBER: (402) 471-6411

MISCELLANEOUS INFORMATION

STATE: NE
07CS
CONGRESSIONAL DISTRICT: 03
EPA ORGANIZATION: SFD-EPA - REGION 7

MODIFICATIONS